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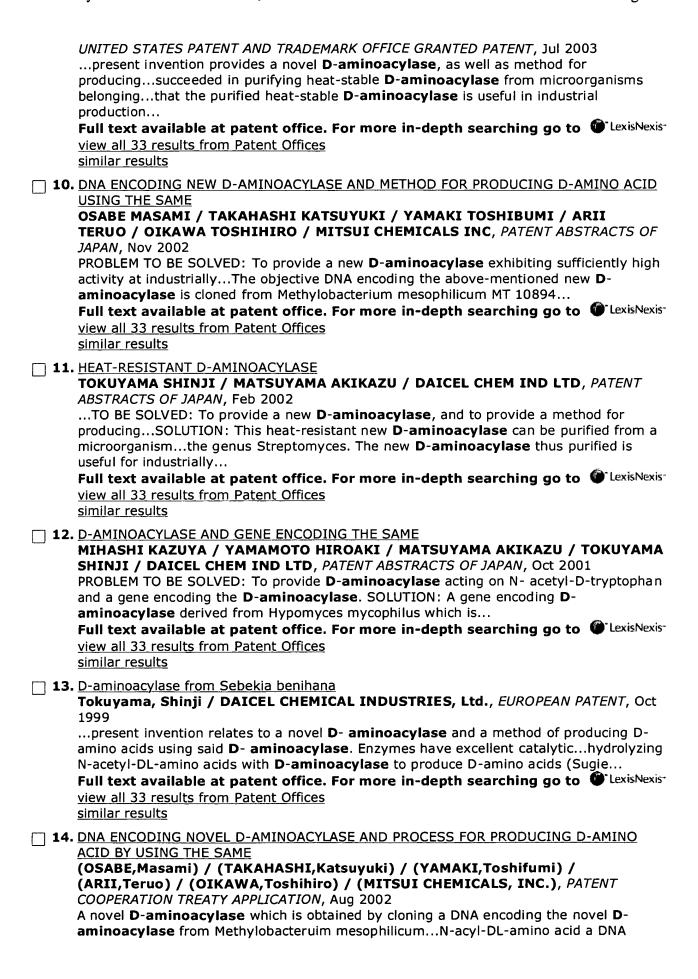
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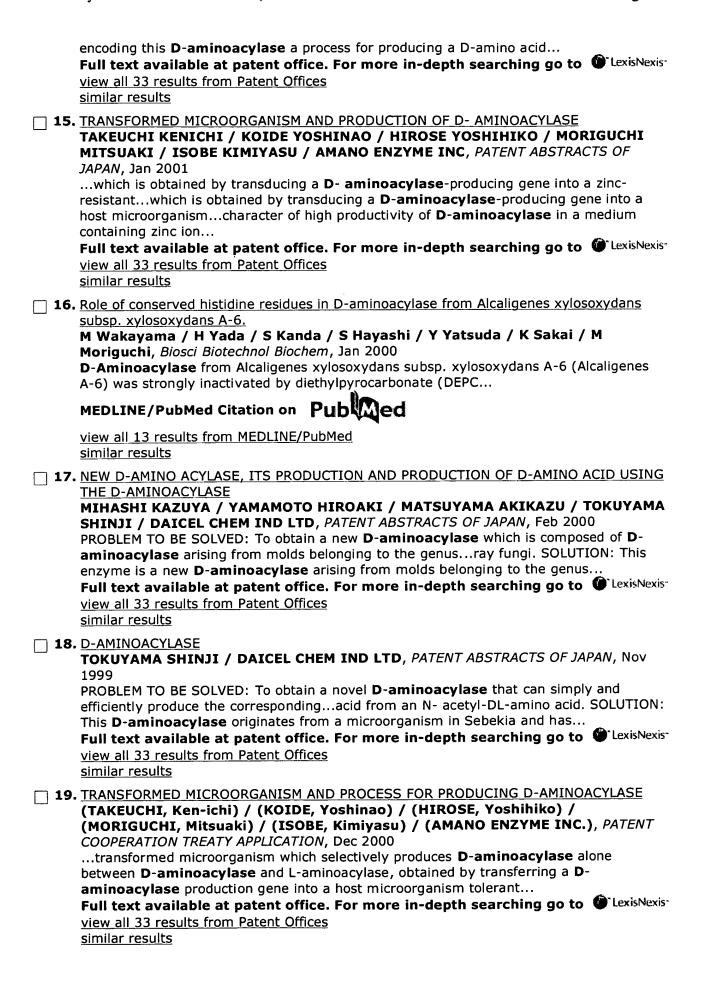
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2. Production of d-Aminoacylase from Moriguchi, Mitsuaki / Ideta, Ko 2003 A bacterial strain that produces d-Alcaligenesl-Aminoacylase activities	Alcaligenes denitrificans subsp. xylosoxydans MI-4 chtaro, Applied and Environmental Microbiology, Dec -aminoacylase was isolated from soil and identified as ity in this strain was only 1 to 2% of d-aminoacylase ducibly produced. N-Acetyl-dl-leucine was  The PubMed  The PubMed
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4. Purification and Characterization of d-Aminoacylase from Alcaligenes faecalis DA1

	Yang, Yunn-Bor / Lin, Chyuan-Sheng / Tseng, Ching-Ping / Wang, Yng-Jiin / Tsai, Ying-Chieh, Applied and Environmental Microbiology, Dec 2003 A d-aminoacylase from Alcaligenes faecalis DA1 has been purified to homogeneity by a simple purification procedure with two columns, Fractogel DEAE-650
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5.	Crystallization and preliminary crystallographic analysis of a d-aminoacylase from Alcaligenes faecalis DA1  Hsu, CS. / Chen, SJ. / Tsai, YC. / Lin, TW. / Liaw, SH. / Wang, A.HJ., Acta Crystallographica Section D: Biological Crystallography, Sep 2002crystallographic analysis of a D -aminoacylase from Alcaligenes faecalis DA1aid of zinc ions. The first D -aminoacylase crystal from Alcaligenes faecalisamidohydrolase superfamily. Keywords: D -aminoacylase. 1. Introduction N -acyl- D Crystallography
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6.	Crystal structure of D-aminoacylase from Alcaligenes faecalis DA1. A novel subset of amidohydrolases and insights into the  Shwu-Huey Liaw / Shen-Jia Chen / Tzu-Ping Ko / Cheng-Sheng Hsu / Chun-Jung Chen / Andrew H-J Wang / Ying-Chieh Tsai, J Biol Chem, Feb 2003  D-Aminoacylase is an attractive candidate for commercialD-amino acids. We report here the first D-aminoacylase crystal structure from A. faecalis atresidue in the superfamily. Therefore, D-aminoacylase defines a novel subset and is a mononuclear
	MEDLINE/PubMed Citation on Pub Med
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7.	Structural-based mutational analysis of D-aminoacylase from Alcaligenes faecalis DA1.  Cheng-Sheng Hsu / Wen-Lin Lai / Wei-Wei Chang / Shwu-Huey Liaw / Ying-Chieh Tsai, Protein Sci, Nov 2002  D-Aminoacylase is an attractive candidate for commercialand structural-based mutation of the D-aminoacylase from Alcaligenes faecalis DA1. A 1,007-bpgenomic fragment, encoding a 484-residue D-aminoacylase. The enzyme amino-terminal segment shared
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8.	Crystallization and preliminary crystallographic analysis of a D-aminoacylase from Alcaligenes faecalis DA1.  Cheng Sheng Hsu / Shen Jia Chen / Ying Chieh Tsai / Ting Wan Lin / Shwu Huey Liaw / Andrew H J Wang, Acta Crystallogr D Biol Crystallogr, Sep 2002Aminoacylases catalyze the hydrolysis of N-acyl-D-amino acids into D-amino acids with the aid of zinc ions. The first D-aminoacylase crystal from Alcaligenes faecalis has been obtained in hanging drops at pH 5.6 by the vapour-diffusion method using
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9.	Heat-stable D-aminoacylase Tokuyama, Shinji / Matsuyama, Akinobu / Daicel Chemical Industries, Ltd.,





## **20.** D-AMINOACYLASE

TOKUYAMA SHINJI / DAICEL CHEM IND LTD, PATENT ABSTRACTS OF JAPAN, Apr 1999

...TO BE SOLVED: To obtain a new **D-aminoacylase** capable of efficiently producing...N-acetyl-D,L-amino acid. SOLUTION: This **D-aminoacylase** has the following physicochemical...mM Cu 2+ , Hg 2+ or Zn 2+ . The **D-aminoacylase** can be obtained by culturing microorganisms...

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